

UNION — Y-12 BULLIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

Vol. 22 - No. 10

OAK RIDGE, TENNESSEE

Wednesday, March 6, 1968

Fabrication Division Promotes Evans And Ferguson On March 1



James L. Evans

Spencer F. Ferguson

announced two promotions, effective March 1.

James L. Evans, a planner and estimator in the General Shop Navy. He graduated from Knoxhas been named as a foreman in

lives at Route 2, there. He is a employed with Dempster Brothgraduate of Jacksboro High son Company and Dunsmore former Kathryn Marie Brantley.
They have two children . . . Linda
Sue, a sophomore at Jacksboro
High, and a son Joe Leslie, in
grade school at Conveille.

Son Company and Bunsmore
Printing, Knoxville. He came
here July 6, 1959.

The Fergusons live at 134
Athens Road, Oak Ridge. Spence's grade school at Caryville.

Evans worked with the Screw Machine Products Company, La-Port, Indiana, and with his father in the lumber business before coming to Y-12 May 5, 1954.

In his spare time Jim says he likes to grouse hunt and usually gets in on at least one deer hunt a year.

a machine tool specialist March 1 mine."

The Fabrication Division has in Beta Four Heavy Machine

Ferguson, a native of Knoxville, is a veteran of the U.S. ville High School and attended the University of Tennessee be-Evans, a native of Caryville, fore coming here. He was briefly

> wife Donna, also a Y-12er, is in Product Engineering. They have two small sons . . . Don and Spence. Ferguson is an avid bowler, and in summer participates in the Softball leagues.

POLLS APART

Man at the door answering polltaker: "That's my opinion. I can Spencer F. Ferguson, also a give you my wife's if you wish. planner and estimator is made It would be just the opposite of

Safety Awards Will Be Issued Tuesday

The Safety Department reports that all 1967 awards have been received. Distribution will take place next week, according to Safety, at the following hours:

Tuesday, March 12 2 to 5 p.m.

Wednesday, March 13 6:30 to 8 a.m. 2 to 5 p.m.

Thursday, March 13 6:30 to 8 a.m.

Your award will be at the portal you designated on the selection card. If you have transferred to another portal, since that time, go back to your old portal-

Due to the size and bulk of the big awards, Safety urges the prompt pick-up of the individual awards.

See you next week.

AEC Leases Building To Civil Air Patrol

The Atomic Energy Commission has made a small building available to the Oak Ridge Squadron of the Civil Air Patrol for use in their programs of air search and rescue and aerospace education training.

The building provided by the AEC is known as the Midway Gate House and is located on Scarboro Road near the Bear Creek entrance to the Y-12 Plant. (It was the former location of Y-12's Credit Union.)

Under a one-year permit agreement, which became effective in early February, the Oak Ridge Civil Air Patrol Squadron is authorized to use the building as a headquarters and for training purposes.

Sapirie Foresees Bright Future For Ridge Operations

S. R. Sapirie, Manager of the Atomic Energy Commission's Oak Ridge Operations, recently predicted the annual revenue from uranium enrichment services by the AEC's gaseous diffusion plants would total some \$100 million by 1970. He said this would increase to over \$900 million annually by

Speaking before the Oak Ridge Rotary Club, Sapirie outlined a bright future for Oak Ridge in the nation's atomic energy programs. Along with the AEC's gaseous diffusion program, Sapirie also commented on recent increases in the weapons program at the Y-12 Plant and pointed out the importance of current programs being conducted by the Oak Ridge National Laboratory.

"The 1967 experience continues evaluate the best results of the to demonstrate the fact that early projections of growth in use of nuclear power were overly conservative," Sapirie said. He estimated the total nuclear power capacity by 1980 will probably be on the high side of current AEC estimates, or about 170 million kilowatts.

His estimates of annual revenue from uranium enrichment stantial amounts of capacity at services are based on the published AEC charge of \$26 per unit for new plants and can be operatof separative work — the price ed without additional labor, powyardstick for uranium enrichment er or feed—a real bargain.'

Oak Ridge Operations, which is responsible for the AEC's three gaseous diffusion plants, located at Oak Ridge; Portsmouth, Ohio; and Paducah, Kentucky, currently produces all enriched uranium required for peaceful and military programs in this country.

Estimates Are Upped

electric utility industry supports added that a rough estimate of our high estimates," Sapirie said, requirements indicates need for a planning for again increasing the rate of production for the gaseous diffusion plants."

Sapirie said new power supply lion kilowatts of power at the are on stream. These "breeders' years 1971 and 1972, reversing the trend of the past few years. The plants are now operating at less than the six million kilowatt capacity of the early 1960's, and will reach a low level of two mil-

"We have also invited proposals for additional power for later resfull capacity, probably by the mid-1970's," he added.

Modification Programs

Sapirie outlined other changes long range modification programs at the gaseous diffusion plants and new plant construction ultimately required to meet needs for nuclear power production estimated at about 500 million kilowatts by 1990 and one billion kilowatts by the end of the century. These plans include

-beefing up current spending on a five and one-half million dollar process development program. Coupled with this would be a similar increase in the present proof testing program now carried out in the three plants to



S. R. Sapirie

process development effort.

-planning now for incorporating the results of the process development programs into the three plants in the mid-1970's with an estimated cost of several hundred million dollars over six or seven years.

"The beauty of this approach," said Sapirie, "is that it adds subless unit cost than that estimated

Electricity Predictions

For the late 1970's a follow-on program is being planned that would provide even more plant capacity by increasing electric power consumption one-fourth or one-third at an additional cost of approximately one hundred million dollars for the three plants.

Sapirie said extrapolation any "The recent year's trend of further ahead than the late 1970's shifting to nuclear power by the gets somewhat unreliable, but he "and gives us a basis for firm new diffusion plant each year for several years beginning in 1980.

This tremendous growth in demand for enriched uranium will begin to taper off, according to contracts recently signed will permit restoration of about two mil-the AEC is presently developing three diffusion plants in fiscal are designed to produce fissionable material at a rate slightly above the rate at which it is being consumed.

'Breeder' Reactors

"However, even after breeders are available it will take from 10 lion kilowatts by April of next to 20 years before they have much impact on reducing the requirements for enriching services," Sapirie said. "Indications toration so as to again operate at are that the better breeder reactors will take about 10 years to produce enough surplus feed to Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 67 Days Or 1,946,000 Man-Hours (Unofficial Estimate)

Through March 3 Without a Disabling Injury

Safety At Home At Work, At Play



THE EAST TENNESSEE HEALTH PHYSICS SOCIETY recently installed officers for the 1968 term. From left, are Y-12's Merwyn Sanders, president; Fred Haywood, ORNL, president-elect; Jack Bailey, K-25, councilman; Howell Butler, ORNL, councilman; and J. M. Davis, ORNL, secretary. Dorothy Soard, treasurer, is seated.

The Bulletin

Published Weekly For The Y-12 Employees Of UNION CARBIDE CORPORATION



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Sylvia Lay Named ORAU Valentine



Sylvia Lay

Sylvia, daughter of John Lay Jr., Product Information Center, was named Valentine Queen recently at the Oak Ridge Associated Universities Dance. The dance was held Friday, February 9. Sylvia is employed in the Information and Exhibits Division at ORAU.

Sylvia is a 1965 graduate of Oak Ridge High School.

ASTME Installs Officers Saturday

The Knoxville-Oak Ridge Chapter of the American Society of Tool and Manufacturing Engineers will hold installation ceremonies Saturday, March 9. The meeting will begin Saturday, March 9, at 6:30 p.m. with a social hour at Beaver Brook Country Club, Knoxville. Dinner will follow at 7.

A buffet dinner and dance is planned for the meeting with music to be provided by Bob Agee's orchestra.

To be installed are 1968 officers: Mike Shemanski, Y-12, chapter chairman; Paul Boyer, Y-12, 1st vice president; C. L. Bateman, Tool Crib, 2nd Vice chairman; T. W. Robinson, Y-12, 3rd vice chairman; B. G. Myers, Y-12, secretary; and L. A. Smith, ORGDP, treasurer.

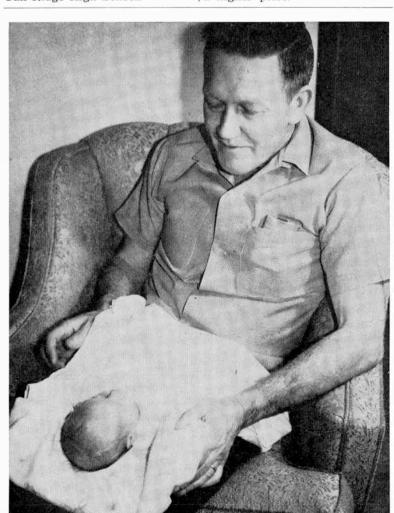
All members, wives and interested guests are urged to attend Saturday's meeting.

ChemTech To Hold St. Pat's Dance

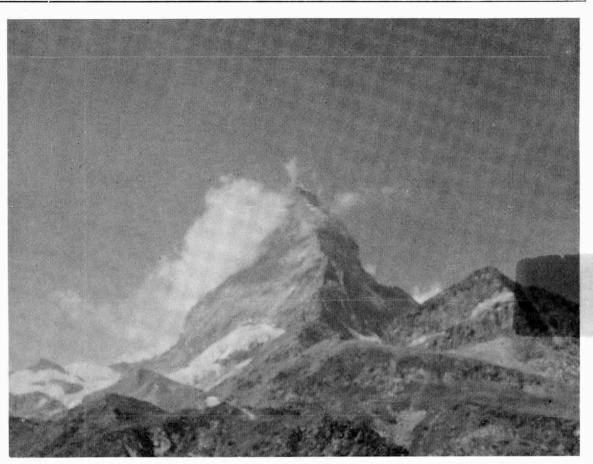
ORNL's Chemical Technology Division is invitiing friends to their St. Patrick's Day Dance, to be held Friday, March 15. It will be in the newly remodeled American Legion Hall, Oak Ridge. The social hour begins at 8 p.m. . . . and dancing gets underway at 9 p.m. to the tunes of Alan Atkin.

The intermission program will feature a skit entitled "Do You Remember" and will include highlights of past skits plus some new surprises. Selection of the "Queen of the Green" will be made on the basis of the greenest ensemble; door prizes will also be awarded. For those who wish, breakfast may be obtained at Shoney's in Oak Ridge.

Tickets are available from section secretaries at an advance price of \$2.50, and at the door at a higher price.



PROUD PAPA FRED BOONE, SS Warehousing and Shipping, holds little Kimberly Renee Boone, who was born January 13...this year. The Boones live at 143 North Beverly Circle, Oak Ridge, and Kim is their first.



BILL HARPER, DEVELOPMENT, is proud of this beautiful color snapshot of the Matterhorn. His colored slide took honors recently in Carbide Camera Club competition. Bill will serve as 1968 president of the Camera Club.

Camera Club Will View PSA Prints

"Portfolio of Portfolios," a slide show with commentary, will be presented at the Carbide Camera Club's regular meeting next Tuesday, March 12. The meeting is set for 8 p.m. in Fellowship Hall of the First Presbyterian Church, Oak Ridge. These portfolios or black and white prints were selected for excellence by the Photographic Society of America.

Entries in the club's March competition, "Open" will be judged. Winners in the February competition, "Shadows," included Anna Dobbins and Bill Harper of Y-12; Lee Andrews, Peggy Turner and W. H. Russell, Biology Division.

The Carbide Camera Club usually meets on the second Tuesday of each month. The April meeting will be held on the third Tuesday, however, April 16, to accommodate an out-of-town speaker of unusual interest.

The Camera Club is open to membership to any Union Carbide Corporation employee and members of his family. A nominal dues is collected annually.

AWS Vice President Is Speaker At Meeting

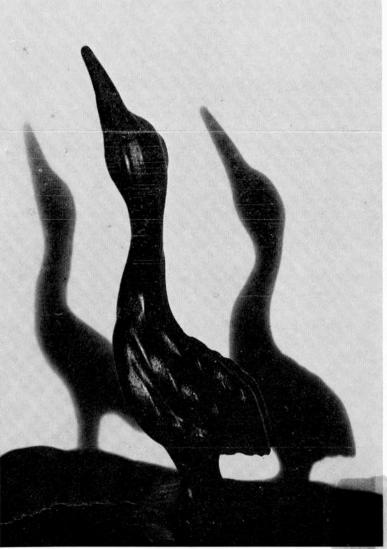
G. E. Linnert, vice president of the American Welding Society, will address the local chapter next Tuesday.

The meeting is set for 6:30 Tuesday, March 12, at the Alexander Motor Inn, Oak Ridge.

Reservations may be made for dinner through C. R. Eichelberger, extension 3-5851, or Knoxville telephone number 588-8661.

Traffic Signs May Be Identified By Shape

Learn the shape of a stop sign. Stop signs are put at important street intersections to help you not have an accident. Keep your eye out for them and come to a complete stop every time.



SHADOWS...BY PEGGY TURNER took top honors in February competition for the Carbide Camera Club. March's competition is announced as "Open" which means anything goes!

Instrument Society Sets Meeting Tonight At 6

Gorden F. Stiles, Fisher Governor Company, will speak at the Oak Ridge Section of the Instrument Society of American tonight. The meeting is set for tonight, Wednesday, March 6, at the Holiday Inn, Oak Ridge.

Stiles will speak on "Notable Exceptions to the Basic Liquid Sizing Equation." The dinner meeting begins with a social hour at 6 p. m.

Physics Information Is Seminar Topic Friday

C. F. Barnett, Thermonuclear Division; W. T. Milner, Physics Division; W. B. Ewbank, Nuclear Data Group; and N. B. Gove, Mathematics Division, will discuss "Physics Information Storage and Retrieval at ORNL" at this week's Physics Division seminar.

The seminar is set for Friday, March 8, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.



THE EIGHTBALLS are an old-time team in the Classic League. In the front row are Robert Hopper and Lance Walthald, left to right. In the back row are Frank Marlin, Sam Bishop and Captain John Towle.

Recreation



Saturday, March 9 TECHNICAL DINNER-DANCE: Social Hour 6 p.m. Dinner 7:30, Dance 9. Holiday Inn.

Monday, March 11 BASKETBALL: Beginning 6:30

p.m. Oak Ridge High School Gym. Bat Boys vs. K-25 Falcons; Health Physics vs. Sharp Shots; Chargers vs. Bombers.

TABLE TENNIS: 7 p.m. Oak Ridge Wildcat's Den. BOWLING: C League, 5:45 p.m.

Aak Lanes. PHYSICAL FITNESS: (For

Women) 7:30 p.m., Oak Ridge High School Girls' Gym. Tuesday, March 12

PHYSICAL FITNESS: Men) 7: 30 p.m., Oak Ridge High School Gym.

CAMERA CLUB: 8 p.m. First Presbyterian Church Fellowship

Wednesday, March 13 BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Atoms vs. Radioisotopes; TK's vs. Bombers; Eagles vs. Combustion.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

Thursday, March 14 BOWLING: 5:45 p.m. Classic

League, Ark Lanes. BADMINTON: Informal Play,

employees and spouses. 7:30 p.m. Jefferson Junior High School. VOLLEYBALL: Beginning 6:30

p.m. Court A: Naughts vs. K-25 Hawks; Charley Browns vs. Dirty Half-Dozen; Old Men vs. Mountaineers. Court B: Set Ups vs. Ecobums; K-25 Gashouse Gang vs. Neophytes; Mix Ups vs. Beav-

Friday, March 15 ATTENTION JULIUS CAE-SAR: Stay Home!

No investment pays better dividends than safety.

Eagles New Leaders **On Classic Alley**

The Eagles jumped to a halfpoint lead in the Classic Bowling League last week after a fourpoint romp over the Markers. Other sweeps went to the All Stars around the Has Beens, the Playboys past the Swingsters and Tigers towering over the

Three points went to the Smelters by the Eightballs and the Screwballs 'round the Rebels. Two and one-half points went to the Pinbusters over the Splinters, and the Rippers and Bumpers shared iwo.

E. V. Hawk, Eagles, rolled a 225 scratch game . . . and Dillard Jenkins, Screwballs, scored a 246 handicap single. On series it was Bill Stephens, Bumpers, with 595 scratch, and John Kimsey, Eagles, with a 662 handicap series.

The Eagles swept all team honors . . . singles of 948 scratch, 1063 . . . series of 2691 and 3036!

League standings follow	r:
Team W	L
Eagles	15
Pinbusters 241	6 151/2
Rippers 231	2 1612
Swingsters 23	17
Bumpers 23	17
Markers 221	6 1715
All Stars 211	2 181/2
Eightballs 20	20
Playboys	20
Tigers 191	2 201/2
Has Beens 19	21
Rebels	21
Splinters 171	2 221/2
Cubs	25
Smelters	26
Screwballs 13	27

Shifters Release Names Of Winners

E, F, G, H and J Shifts list their big game night of February 10 as a success.

Winners selected an Accept-A-Gift-Book (which means they can take their choice of a multiple-array of fine items.)

games, as Mrs. Carl G. Brewster, Mrs. Ray Mackey, Mrs. C. B. Burris, Mrs. Jymme Campbell, Green Room, Ridge Recreation Janie Watson, Anna Perry, Mrs. Hall.

Bombers Keep Tie In Basketball

Nine big basketball games became history last week as the League double-timed it, so that the season could end before another season has been edged into. Monday's action started as the

Bat Boys fell victims to the Combustion team, 40 to 30.

Bobby Belt braved the field

with 12 points . . . Jim Meiche scored nine for the losers as the Combustion boys capitalized on a second quarter gallop.

Health Physics put up win number six this time demolishing the Chargers. Jim Treadwell and Bob Compton each scored 18 points for the big HPers, and Larry Finch dropped 16 through the hoop. Ray Leffler led the losers with 18 also . . . Larry De Roos scored 10.

The Radioisotopes deactivated the Falcons in Monday's final action, 51 to 46. Churchhill Moore scored 19 for the losers . . . Frank O'Donnell did likewise for the winners.

EAGLES DOWN ATOMS

Tuesday's action started as two Y-12 teams were pitted against each other . . . the Eagles soaring Volleyball Victors over the Atoms 61 to 37. Ron Gamrot opened up, scoring 16; Dick Boughner 15; Larry Mc-Donald 14; Jerry Raper, 12 . . . all to the favor or the Eagles.

The Atoms saw Tim Butler score 11 . . . Don Forrester 10.

The Combustion combo took on the Falcons, 49 to 36 in Tuesday's second foray. Church Moore led the losers with 12 . . . Larry Selvidge scored 21 for the winners . . Bobby Belt 13.

BOMBERS WIN BIG

The Bombers belted a Y-12 15-6. team, the Bat Boys in Tuesday's final play . . . 79 to 35. Jim Shoemaker put 29 points on the board . . . Roy Nabors, 16; Tom Kress, 15 and Karl Bertis, 10 . . . all for the winners. Hugh Beeson Meincke, 10.

Wednesday's games began as the Y-12 Eagles clawed their way past the Sharp Shots 79 to 24. The Eagles used the fast break to "break" the game wide open from the starting gun. Larry MacDonald led the high-flying squad with 24 big points.

John Gilbert scored 14 for the

very first quarter. Everybody on Into Mixed Lead Falcons 86 to 49, unloading in the the Bombers squad got in on the scoring act . . . Herm Thomas, 15; Bob Alred, 18; Roy Nabors, 14; Homer Tucker and Tom Kress,

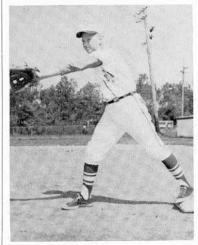
The TK's knocked out the Atoms in the week's final game . . 53 to 41. The Atoms were game, but the TK's refused to let them catch up. The TK-men controlled both boards, and allowed only one Atom to penetrate their defense, Jim Batch.

The TK's big guns were Doug Raymer and Dick Hudson, each with 15 and Jerry Goddard, 14.

Team		w
Health Physics. C	DRNL	6
Bombers, ORNL .		6
Eagles, Y-12		5
TK's, ORNL		
Radioisotopes, OR		
Combustion, ORN		
Chargers, Y-12		
Atoms, Y-12		
K-25 Falcons		
Bat Boys, Y-12		0

J. A. Whitten, Mrs. E. R. Baxter, Judy Halsey, R. C. Rector, Mrs. Fred Manning, R. C. Smith, W. L. Easterday, C. G. Brewster, L. T. Nance Jr., Diane Helfenberger, Winners were listed, in the 18 Mrs. Kenneth Prewitt, and Mrs. Charles E. Helfenberger.

The party was held in the



BUSTER SKEEN, son of B. L. Skeen, had a 10 win-no loss record last summer and fall with the Inskip-Norwood All Stars. Buster, along with Mike (son of Gene) Huskisson, averaged 15 strike-outs in their 17 win-no loss record. Both boys helped put the local team in the semi-finals in the state tournament. Johnson City eliminated them in a thriller, 5 to 4.

All Take Sweeps

Four-game sweeps were the news from Volleyball play last week, as every winner scalped his victim for the full count.

On Court A, Y-12's Beavers bested the Set-Ups 15-9, 15-2, 15-7, and 15-8. The Old Men ousted the K-25 Gashouse Gang 15-0, 15-4, 15-3, and 15-10. The Dirty Half Dozen squeezed out the Mix-Ups 15-1, 15-6, 15-9 and

Meanwhile, on Court B the Neophytes pulverized the Naughts 15-7, 15-9, 15-10 and 16-4. The Mountaineers tamed the Charley Browns 15-8, 15-8, 15-12 and 15-5.

all for the winners. Hugh Beeson Scored 11 for the losers, Jim K-25 Hawks 15-9, 15-10, 15-7 and

Team	W
Beavers, Y-12	4
	4
Mountaineers, Y-12	4
Ecobums, ORNL	4
Old Men, ORNL	
Dirty Half Dozen	4
Set Ups, CRNL	0
Naughts, ORNL	0
Charley Browns, ORNL	0
K-25 Hawks	0
	0
K-25 Mix Ups	0

The Bombers belted the K-25 Hits & Misses Edge

The Hits & Misses edged out in front of the Mixed Bowling League last week, after a fourpoint win over the Goofers. The Alley Cats had the only other sweeping win of the night at the expense of the Mustangs.
The Roses 'N Thorns took three

from the Twisters, and the Mc-Sprays also won three from the Rollers

Roy Worley, Roses 'N Thorns, rolled high for men, singles of 202 scratch, 236 handicap . . . series of 578 scratch, 680 handi-

Barbara Hackett, also of the Roses 'N Thorns, rolled high . . . singles of 187 and her 231 handicap single tied with teammate Dessie Worley. Barbara's 479 scratch was high . . . and Donna Ferguson, Twisters, rolled a 615 wise. . . all the way . . . singles handicap series.

The Roses 'N Thorns waxed hot, taking all team honors . . . singles of 705 scratch, 861 handicap . . . series of 2009 scratch, 2477 handicap.

Team	w
Hits & Misses	26
Roses 'N Thorns	25
McSprays	22
Rollers	21
Mustangs	20
Goofers	17
Twisters	16
Alley Cats	13

Dick Huber Takes Most Top Scores In Alley Tourney

Y-12 crowned a new bowling champion last week-end in its annual tournament, and Dick Huber could do no wrong. His All Events scratch score was 1784.

Elmer Johnson and Bob Forseman tied for handicap honors in All Events, each with a pin-fall of 1902.

Big team of the tournament was the Has Beens with a scratch total of 2588 . . . while the Sunflowers captured money with a handicap high of 2965. (The Has Beens are composed of Sewell Brown, Bobbie Rutherford, J. E. Cheek, Rudy Pletz, and Roy Roberts. The Sunflowers are Spence Ferguson, W. C. Smith, R. S. Hopper, Bob Hagood and Roy Worley.) Team also placing in the money were the Splinters, 2942; Eagles #1, 2924; Has Beens, 2918; and PinBusters, 2891.

Woman champion was Lou Sahr, from the Mixed League, rolling 1505 All Events scratch score. Irene Carmack rolled an 1804 handicap total. Lou and Donna Ferguson took handicap honors in women's doubles with a combined 1188 . . . while scratch tops went to Bobbie Hill and Lou Anfinson. Lou Sahr rolled high singles . . . 522 and Joe Bratton rolled a 628 handicap in singles.

Men's doubles went to L. E. Sikes and Norm Jarvis, who rolled a 1149 . . . Aaron Smith and J. E. Morgan took money with a 1258 handicap.

Men's singles went to Huber, with 597 . . . and George Bailey took handicap honors easily with a 657.

Mixed Doubles tops went to Louise Warmly and Ray Eskridge with a 1227 handicap score. Peggy Hardin and J. E. Morgan rolled high scratch scores in Mixed Doubles, 1057.

The Y-12 alley convention saw a total of 25 men's teams compete . . with 54 duos rolling in doubles, and 108 in singles. A total of 19 mixed doubles rolled, and eight women's doubles, 16 singles represented female entries in the big tournament.

The Y-12 tournament was held Saturday and Sunday, March 2 and 3 at Ark Lanes, Oak Ridge.

Parbusters Push Into C Alley Lead

The Parbusters pushed their way into the C Bowling League lead last week via a three-point win over the Big Five.

The Rounders moved up to tie for second place with a four-point win over the Invalids. Also taking four it was the Badgers over the Rodders, and the King Pins past the Fireballs.

The HiLifters had the Sunflowers for three points . . . and the Royal Flush and Rollmasters shared two points.

E. Croley, HiLifers, earned high singles count . . . scratch of 230, handicap 252. Ray Gal-ford, Sunflowers, scored a 588 h series: while Tom Badgers, bowled a 636 handicap series.

The Badgers were best teamof 936 scratch, 1061 handicap . . . series of 2665 (a new season high) and 3040 handicap!

Team	W
Parbusters	23
Sunflowers	22
Rounders	22
Badgers	20
HiLifters	19
King Pins	15
Big Five	14
Royal Flush	1
Rollmasters	12
Rodders	11
Invalids	11
Fireballs	10



HOW DO THINGS LOOK? . . . CBS News Correspondent Walter Cronkite, left, and science writer Lord Ritchie-Calder discuss tomorrow's world on "The 21st Century" report "How Do Things Look?" Sunday March 10, at 6 p.m. EST, in color on the CBS Television Network. The program is carried locally over WBIR-TV, Channel 10. Cronkite is principal reporter for the series, produced by CBS News and sponsored in the public interest by Union Carbide Corporation.

Tomorrow's World Will Be What Man **Decides He Wants Today Experts Believe**

what does he really want, and why?

Since the dawn of time mankind has constantly sought the elusive answer to this question. Its meaning and man's innate power to dictate his own future will be analyzed by a panel of leading futurists in "The 21st Century" report "How Do Things Look?" this Sunday, March 10, at 6 p.m., EST, in color on the CBS Television Nettwork. The program is aired locally over WBIR-TV, Channel 10. CBS News Cor-Walter respondent Cronkite.

Several Ping Pong Matches Are Played

Several matches got under the wire in the Table Tennis leagues last week. In the X crowd, it leader Geoffrey Newman downing Jerry Keyes for three games. Loyd Wyatt also downed Keyes for three, and Roy Huddleston for two.

Bill Motley won three games from Herve Derrien

Player W
Geoffrey Newman34
Loyd Wyatt23
Herve Derrien17
Roy Huddleston17
Herb Mook16
Bill Motley16
Bill Foutz 8
Jerry Keyes 4
2 THE THE TOTAL TOTAL TO SEE THE SECOND SEC

In the Y League, Al Norris won two at the expense of Fred Wetzel, and Rokuro Oyamada won two from Wetzel . . . also three from Bob Brown via forfeit. Francois Kertesz defeated Wetzel

i heague standings.	
Gordon Brewer25	
Bob Coveyou22	
Ed Gambill25	
Paul Kasten22	
Al Norris23	
Fred Wetzel14	
Art Weinberger 9	
Rokuro Oyamada11	
Francois Kertesz 9	
Bob Brown 0	

Bill Smith, Z League leader, won three games from Joe Lewin. A. B. Meservey downed Dave Allen and Winfred Collins, both

for three games.

Tudor Boyd defeated Collins all the way and won a forfeit three-game win from Dave Allen.

Z League standings:	
Bill Smith	1
Ken Toth 9	
A. B. Meservey	
Joe Lewin18	3 12
Bill Hackett12	
Tudor Boyd 6	1:
Dave Allen 6	
Winfred Collins0	30

Tomorrow's world will be what principal reporter for the series, man decides he wants today. But will moderate the broadcast, which is sponsored in the public interest by Union Carbide Corporation.

Participating in the broadcast with Cronkite will be:

Lord Ritchie-Calder, journalist, science writer and professor of 238 as a source material. International Relations at the University of Edinburgh.

Rene Dubos, a faculty member of Rockefeller University and a specialist in biology and ecology.

John Cogley, former religion editor of the New York Times and now editor of The Center Magazine at the Center for the Study of Democratic Institutions, Santa Barbara, California.

Roy McMullen, fine arts consultant, contributing editor to such publications as Realites and Horizon, and author of a forthcoming book on painter Marchel Chagall.

Robert Maynard Hutchins, chairman of the **Encyclopedia Britannica** Editorial Board and president of the Center for the Study of Democratic Institutions.

During the broadcast they will explore the ideas and achievements of this century and what their possible effect will be upon people in the 21st century. Areas of special interest include the youth movements; ecumenism in both science and religion; education and the future rights of the individual in the man-made environment of the 21st century.

All five guests on "How Do Things Look?" are contributors to Britannica Perspectives, a of book-length essays aimed at helping man comprehend not only the world of today, but also the directions and tendencies of the world of tomorrow that are developing today. Perspectives will be published March

Fred Warshofsky is science editor for the series; Isaac Kleinerman, producer; and Burton Benjamin, executive producer. "The 21st Century" is produced by CBS News.

GROUNDED LUGGAGE

One airlines promises that passengers' luggage will be waiting at the gate upon alighting from the plane. To live up to their promise, they keep passengers locked in the planes for a half hour after each landing.

IEEE Meeting Set Thursday March 14

"How Pumped Storage Hydro-electric Generation Pays Off" is the subject of the monthly Institute of Electric and Electronic Engineers' meeting next Thursday. The meeting is set for Thursday, March 14, at 7:30 p. m. in the Green Room of the Ridge Recreation Hall.

A short color movie will be shown describing the principles of pumped storage power generation. F. A. Dale, hydro-electric consulting engineer with the Tennessee Valley Authority will discuss some of the typical installations in this country and abroad, followed by presentation of data illustrating the economic and operational advantages of applying pumped storage generation to electric utility nuclear and fossil fueld thermal generation systems.

Bright Oak Ridge Future Seen

Continued from Page 1 satisfy the inventory requirements of another reactor of the same size.

Sapirie noted that another type of breeder reactor-the Molten Salt Reactor now being developed at the Oak Ridge National Lab-oratory—should roughly double the raw material reserves for the future requirements of nuclear power because it will permit use of thorium as well as uranium

"I share with Al Weinberg (Dr. Alvin Weinberg, Director, Oak Ridge National Laboratory) and hisi associates their enthusiasm for this approach," Sapirie said.

Y-12 Proposal Explained

Commenting on the recently announced increase in the weapons program at the Y-12 Plant, Sapirie said, ". . . you should not anticipate seeing construction of a major new plant in the Y-12 area or a tremendous expansion of worker population." Most of the cost he pointed out will go toward replacement of machine tools and process equipment for new fabrication techniques.

He cautioned that the \$178 million requested in the budget for Y-12 for the project, and the estimates for other AEC plants are based on current work load projections and may change when final weapons designs are established and final work load assignments are determined.

"During recent years management and labor at the Y-12 Plant have developed a reputation for accomplishing extremely difficult assignments on schedule, adequately and efficiently," said Sapirie. "I am convinced that with a continuation of this quality of performance, Y-12 will continue to get its full share of new assignments."

'The Fine Balance'

Y-12 has competition from other AEC facilities which are also quite capable. ". . . we wouldn't have to stub our toe very hard to upset the fine balance now favoring Oak Ridge," Sapirie add-

Also outlined was recent progress in the AEC's Plowshare Programs, developed to explore peaceful applications for harnessing the power of nuclear explosions. The Y-12 Plant has participated in producing the nuclear devices for these experimental test shots.

Sapirie commended the record set last year by Oak Ridge Na- ing, agro-industrial energy centional Laboratory in radioisotope ters, and cancer research.



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'Last Fling Before Spring'

Ticket-Sellers Busy Hawking Ducats For Technical's Big Dance Saturday Night

If you haven't seen Mildred nical's big dance Saturday night. Morris, Daisy Ward, Earl Price, Mike Sherrill, Sandra Estes, Jack Gresham, Max Scott and Ruby McCloud . . . don't blame us. They are hawking tickets to Tech-



Car pool members wanted from East Village, Oak Ridge, to any portal, straight day. Don Carey, plant phone 3-7728, home phone Oak Ridge 483-4970.

Ride wanted or will join car pool, from Cumberland Estates area, Knoxville, to Bear Creek Portal, straight day. Danny Showan, plant phone 3-5941, home phone Knoxville 588-5874.

Will join car pool from North Hills section, Knoxville, to West Portal, J Shift. W. E. Cagle, plant phone 3-5643, home phone Knoxville 524-8783.

Ride wanted from Circleview Subdivision, Karns, to Biology Portal, or North Portal, straight day. Lois McGinnis, plant phone The Fine Balance'
He pointed out, however, that 584-6900.

> when compared to the first shipment of radioisotopes for civilian was only one-thousandth of a curie.

He cited ORNL not only as the center for the AEC's radioisotope program, but also as the leader in the Commission's transuranium research. He also referred to other recent developments in the field of atomic energy with important implications for Oak Ridge, including nuclear desalt-

Technical personnel are attacking the Holiday Inn Saturday, March 9, for their big "last fling before Spring" party. Charlie Baker and his orchestra will provide music for the outfit.

There'll be dinner, a social hour . . and dancing . . . with the get together set at 6 p.m. Dinner is served at 7:30, and dancing gets under way at 9.

If you haven't purchased your ticket you'd better see any of the above. Space is limited and only a certain number of tickets may be sold!

RESA Will Hear Behavior Expert

The Oak Ridge branch of the Scientific Research Society of America will hear Dr. Neal E. Miller, Rockefeller University, tomorrow, Thursday, March 7. The meeting is set at 8 p. m. in the Jefferson High School audi-

Dr. Miller was appointed professor in the new behavioral sciences program at Rockefeller University, formerly the Rockefeller Institute for Medical Research, in New York in 1966. He 584-6900.

received his BS degree from the University of Washington, his MA from Stanford and his PhD psychology at Yale from 1950-1966, and received the National use almost 22 years ago, which Medal of Science in 1964. He is a member of the National Academy of Sciences and the National Research Council. Dr. Miller has been the recipient of numerous other awards and honors in recognition of his scientific accomplishments.

He will speak on "Behavior Motivated by Chemical Stimulation of the Brain."

There is no charge for tomorrow's RESA meeting and the public is invited to attend.